

**TRANSFER STATION FACILITY  
PERMIT APPLICATION**

**For**

**ANDERSON CREEK LANDFILL**

**Harnett County**

**North Carolina**

**AUGUST 2006**

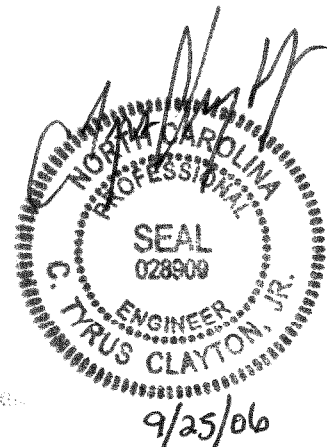
**Owner:**

**Harnett County  
900 South 9th Street  
Lillington, NC 27548**

**Prepared By:**



POST OFFICE BOX 578  
COATS, NORTH CAROLINA 27521  
PHONE 910-897-7070 FAX: 910 897-6767



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**(Note: A complete set of bid drawings (Sheets 1 – 20) is submitted separately with this application)**

## 1.0 INTRODUCTION

Harnett County wishes to construct a new Transfer Station at the Anderson Creek Landfill facility. The existing transfer station was originally designed as a convenience center for residential customers. At a later date it was transformed into a transfer station. This project will consist of the construction of a new transfer station and the existing transfer station will be converted back to a convenience center as originally intended.

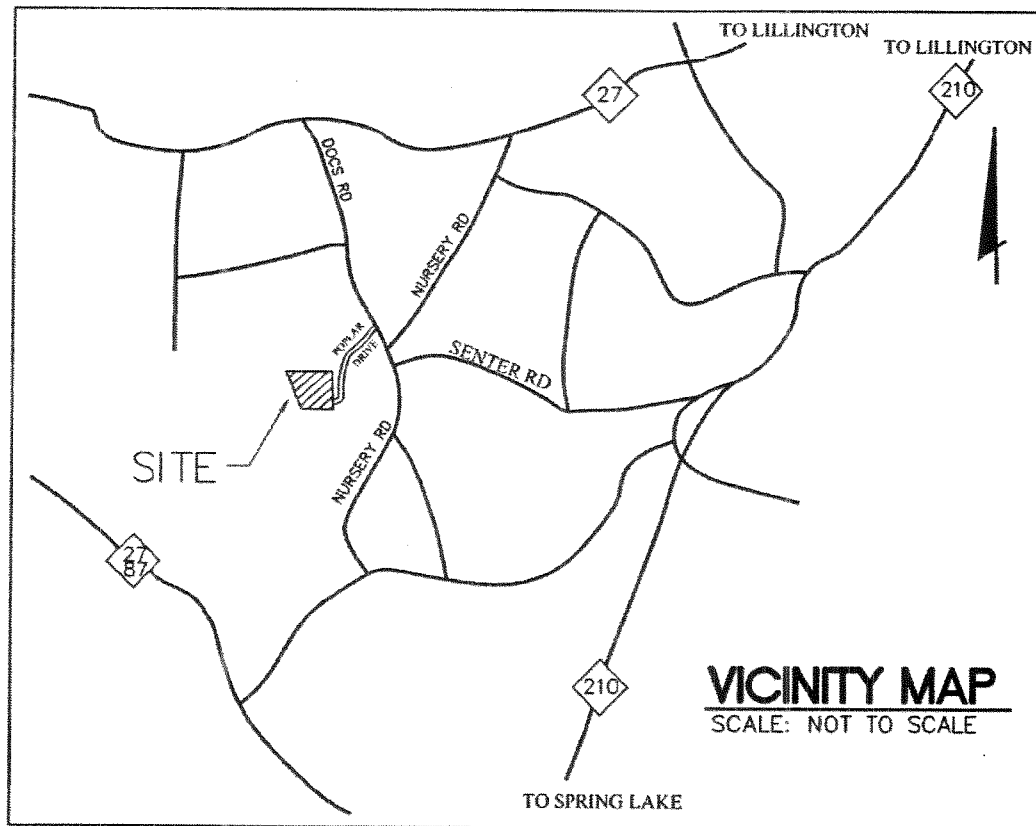
The Anderson Creek Landfill is located approximately 15 miles southwest of Lillington, North Carolina, off of NC Hwy 27. This facility contains two closed municipal solid waste (MSW) landfill units, a closed LCID landfill unit, a yard waste storage area, and an existing C&D landfill unit that is currently active. The two MSW landfills stopped receiving waste prior to October 9, 1993. The LCID unit stopped receiving waste in 1996, after the permitting of the current C&D unit. Upon the closure of the LCID unit, the existing C&D unit began operation in the area of the former LCID unit in December 1996.

This report has been prepared for Harnett County in accordance with the application requirements for Transfer Station Facilities as listed in rules *15A NCAC 13B.0401* thru *.0402*. The information provided in this report with the attached drawings constitutes the Site Application and Construction Plan for the Transfer Station Addition at the Anderson Creek Landfill facility. This report is organized in a format consistent with the application requirements specified in rules *15A NCAC 13B.0401* thru *15A NCAC 13B.0402*. The following narrative and associated appendices provide all the requirements specified in the above rules. See the Table of Contents for a more detailed list of items included in this report.

## 1.1 Facility Location

The proposed Anderson Creek Transfer Station is located near the scale house on the existing 153 acre County landfill property. All County planning and zoning requirements were met and approved in the original permitting process for this facility.

**Figure 1: Site location map**



To reach the landfill facility from Lillington, NC, take Hwy 27W for 8 miles. Turn left onto Nursery Road and continue for 3.5 miles. Turn right onto Doc's Road and the Anderson Creek Landfill, Poplar Drive, will be the first road on the left.

The mailing address for the transfer facility is the same as the Solid Waste Department:

Harnett County  
General Services Office  
Solid Waste Department  
P.O. Box 940  
Lillington, NC 27546

## **1.2 Facility Description**

The Harnett Transfer Station consists of a tipping building, tipping building apron, access roads, trailer packing & parking areas. The tipping building includes upper and lower level concrete slabs with metal wall panels on three sides of the building. The east side of the building is open for vehicle access to the tipping floor. Three exhaust fans will be installed for odor control and air quality within the operating area. The tipping building apron and access roads will have either an asphalt or concrete paved surface. The existing landfill scale house is used for weighing incoming vehicles. The outgoing transfer trailer vehicles are weighed prior to disposal at a lined landfill. Currently the waste is being disposed at the Uwharrie Environmental facility (NCDENR SW Permit # 62-04) located in Troy, NC. A secondary optional disposal site for the disposal of the waste leaving the transfer station is the Waste Industries Landfill (NCDENR SW Permit # 82-02) located in Sampson County, NC.

## **2.0 APPLICATION REQUIREMENTS** (15A NCAC 13B .0401)

The following information is provided to satisfy Rule 15A NCAC 13B .0401 of the North Carolina Solid Waste Management regulations. Three hardcopy sets and one electronic set of the Site Plan, Erosion Control Plan, and Operation Plan have been provided per Rule requirements.

### **2.1 Site Plan**

A Site Plan of the proposed Transfer Station Addition is included in the Appendix, Section III of this application. The Site Plan depicts the locations of proposed and existing features including wells, buildings, property lines, streams, topographic features, contours, driveways, gates, fencing, foundations, and scales.

### **2.2 Erosion Control Approval**

The Anderson Creek Landfill has an existing erosion and sedimentation control plan for the entire operational area, which is relative to the location of the transfer station. The landfill area has several drainage ditches, sediment ponds and culverts, which transport and treat sediment-laden water prior to release. The most recent approval for this area was the October 19, 2004 issuance of the Erosion and Sediment Control permit for the Anderson Creek Landfill Phase II Expansion application (The NCDENR E&S Approval Letter can be found in Appendix, Section I). All drainage from the site is routed through a series of three existing sediment basins. The total storage capacity of these storage basins is greatly oversized for the current and/or proposed disturbed areas. Included in the transfer station design is 1019 lf of sediment fence. The Erosion and Sediment Control Plan can be found in Appendix, Section III.

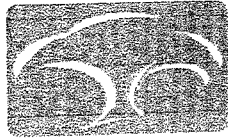
## **2.3 Zoning Approval**

Harnett County has zoning authority over the landfill property. The site has been approved for use as a landfill/transfer station facility. A copy of the zoning approval letter has been included in Appendix, Section I.

## **3.0 OPERATION REQUIREMENTS**

*(15A NCAC 13B .0402)*

Harnett County shall maintain and operate the Anderson Creek Transfer Station facility in accordance with the Operation Plan prepared in accordance with Rule 15A NCAC 13B .0402 of the North Carolina Solid Waste Management regulations. The Anderson Creek Transfer Station Operation Plan can be found in the Appendix, Section II.



**Harnett**  
**C O U N T Y**  
NORTH CAROLINA

**RECEIVED** SEP 22 2006

**Planning Department**

[www.harnett.org](http://www.harnett.org)

PO Box 65  
108 E. Front St.  
Lillington, NC 27546

Ph: 910-893-7525  
Fax: 910-814-6459

### Zoning Certification

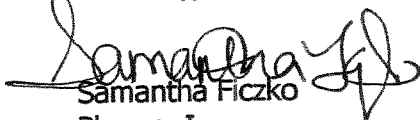
Harnett County General Services  
Attn: Jerry Blanchard, Director  
PO Box 940  
Lillington, NC 27546

RE: Anderson Creek Landfill  
Transfer Station

To Whom It May Concern:

A transfer station is an accessory use to the existing landfill facility and will be permitted in this zoning district, RA-20R. The PIN for this property is 9596-91-9854.

Sincerely,

  
Samantha Ficzo  
Planner I



**Harnett**  
**COUNTY**  
NORTH CAROLINA

**Planning Department**

[www.harnett.org](http://www.harnett.org)

PO Box 65  
102 East Front Street  
Lillington, NC 27546

ph: 910-893-7525  
fax: 910-893-2793

August 24, 2004

C.T. Clayton, Sr., P.E.  
PO Box 12794  
New Bern, NC 28561

Mr. Clayton:

The existing Anderson Creek landfill was approved for a Conditional Use Permit on June 29, 1989. According to the Harnett County Zoning Ordinance this permit/ use is still valid, and therefore is in compliance with all Harnett County regulations.

If you should have any questions or need additional information, please contact the Planning Department at (910) 893-7525.

Sincerely,

Jay Sikes  
Planner II

cc: Jerry Blanchard, General Services Manager

strong roots • new growth





# Harnett County Planning & Development Dept.

THOMAS E. MEECE, JR., DIRECTOR

DEVELOPMENT COMMISSION  
INSPECTION SECTION

PLANNING SECTION  
SECTION 8 HOUSING

June 29, 1989

Ragsdale Consultants, P.A.  
Lillington Office  
813 Main Street  
PO Box 760  
Lillington, NC 27546

Dear Sirs:

The Harnett County Board of Adjustment considered Harnett County's application for a conditional use permit to extend the Anderson Creek Landfill site on Monday June 26, 1989. The site is located on SR 1164 in Anderson Creek Township. After a full and complete consideration of the evidence presented during the public hearing the board voted to grant the conditional use permit. As a result the proposed landfill site is in compliance with the Harnett County Zoning Regulations.

Please let me know if I can provide any additional information.

Sincerely,

*Carla Stephens*  
Carla Stephens  
Planning Supervisor

HARNETT COUNTY PLANNING DEPARTMENT  
APPLICATION FOR CONDITIONAL USE PERMIT  
Harnett County, North Carolina

- (1) Landowner Information:
- Name County of Harnett  
Address P. O. Box 759  
Lillington, NC 27546  
Res. Phone No. N/A  
Work Phone No. 893-7555
- (2) Applicant Information:
- Name County of Harnett  
Address P. O. Box 759  
Lillington, NC 27546  
Res. Phone No. N/A  
Work Phone No. 893-7555
- (3) Location of Building/Property:
- Township Barbecue  
State Road No. near NCSR 1164  
Address of Property N/A  
  
Acreage 163.26
- Zoning District: RA-20-R  
Deed Book # 880 Page # 48-49  
Plat Book # D Page # 102-A  
Parcel No.:                       
Subdivision Name & Lot                       
No.                       
Number of Bedrooms
- (4) Requested Conditional Use Permit G. Public Utility Facilities
- (5) Are any other buildings or structures located on the property? None
- (6) Attach a written description of property from a Deed or Survey and complete directions to the property.
- (7) Attach a map of the property at a scale of not less than one (1) inch equals 200 feet. (A copy of a recorded plat is required where such a plat exists.)
- (8) Attach a written description of the conditional use requested such as examples of the items sold and/or services offered.
- (9) Attach a list of acceptable conditions or restrictions including (a) lot size, (b) setbacks-front, side, and rear, (c) building size or lot coverage, (d) signs, (e) parking, (f) access, (g) screening natural or manmade.
- (10) Attach a list of the names and addresses of the current adjoining property owners.
- (11) Attach an explanation of why the Conditional Use Permit is requested addressing applicable portions of Article VII, Section 4.0.
- (12) Is the property located in the flood plain? Only a small area at western end of property - see attached map.

(13) How far is the proposed structure from:

	Actual Distances:	Minimum Required:
front property line	_____	_____
side property line	_____	_____
back property line	_____	_____
nearest building	_____	_____

I certify that I am making application for the landowner or myself and that the information provided is complete and the statements given are true to the best of my knowledge.

Applicant's Signature \_\_\_\_\_

Date \_\_\_\_\_

\*\*\*\*\*

To be completed by Zoning Administrator

- (1) Date completed application received \_\_\_\_\_
- (2) Date and amount of payment for review \_\_\_\_\_
- (3) Date of mailing notification to adjacent property owners for public hearing to be held by Board of Adjustment \_\_\_\_\_
- (4) Date of Board of Adjustment meeting(s) when request considered \_\_\_\_\_
- (5) Date of posting notice of public hearing on property \_\_\_\_\_
- (6) Dates of advertising notice of Public Hearing in local paper \_\_\_\_\_
- (7) Action by the Board of Adjustment:

Application \_\_\_\_\_ granted

\_\_\_\_\_ denied

\_\_\_\_\_  
Zoning Administrator

\_\_\_\_\_  
Date

### Section 3.0 Action by the Board of Adjustment

The Board of Adjustment shall approve, modify or deny the application for Conditional Use Permit following the public hearing. In granting a Conditional Use Permit, the Board of Adjustment shall make written findings that the applicable regulations of the district in which it is located are fulfilled. With due regard to the nature and state of all adjacent structures and uses, the district within which it is located, and official plans for future development, the Board of Adjustment shall also make written findings that the following provisions are fulfilled.

- 3.1 The use requested is listed among the conditional uses in the district for which application is made.
- 3.2 The requested use is essential or desirable to the public convenience or welfare.
- 3.3 The requested use will not impair the integrity or character of the surroundings or adjoining districts, nor be detrimental to the public health, morals, or welfare.
- 3.4 The requested use will be in conformity with the Land Use Plan.
- 3.5 Adequate utilities, access roads, drainage, sanitation and/or other necessary facilities have been made or are being provided.
- 3.6 That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.
- 3.7 That the conditional use shall, in all other respects, conform to the applicable regulations of the district in which it is located, except as such regulations may, in each instance, be modified by the Board of Adjustment.

- (2) Also Deed Book # 879 Page # 316-317  
Plat Book # D Page # 102-C
- (6) See attached deeds for description
- From the south side of Lillington at the intersection of NC 27, NC 210 and US 401, proceed west on NC 27 for 8.9 miles to NCSR 1117. Turn left (south) on NCSR 1117 for 3.4 miles to NCSR 1116. Turn right (north) on NCSR 1116 for 0.3 mile to NCSR 1164. Turn left (southwest) on NCSR 1164 and proceed for 0.5 miles. Property is on right side of road west of overhead transmission line.
- (7) See attached maps.
- (8) Expansion of the Anderson Creek Sanitary Landfill
- (9) Conditions and restrictions will be determined by the North Carolina Division of Health Services, Solid Waste Management Section.
- (10) East side - William S. Wellons, P. O. Box 766, Spring Lake, NC
- North side - Walter C. Moorman, P. O. Box 53774, Fayetteville, NC 28305
- Canal Industries, Inc. - P. O. Box 830, Conway, SC 29526
- West side - J. J. Barnes, P.O. Drawer "B", Fayetteville, NC 28302
- South side - County of Harnett, P.O. Box 759, Lillington, NC 27546
- (11) This permit is requested so an essential need of the public (disposal of solid waste) can be accomplished in an area that is presently being used for this purpose.
- (13) Not applicable.



STATE OF NORTH CAROLINA  
Real Estate Excise Tax  
70.50  
3-15-89 70.50

MAR 15 11 43 AM '89  
GAYLE P. HOLDER  
REGISTER OF DEEDS  
HARNETT COUNTY, NC

Excise Tax  
Recording Time, Book and Page  
Tax Lot No. \_\_\_\_\_ Parcel Identifier No. 0305070073  
Verified by \_\_\_\_\_ County on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_  
by \_\_\_\_\_  
Mail after recording to Johnson and Johnson, P. A., Attorneys at Law, 31 East Harnett Street, Post Office Box 69, Lillington, North Carolina 27546  
This instrument was prepared by W. Glenn Johnson, Attorney at Law, Lillington, NC  
Brief description for the index  
77.96 Acres-Barbecue T.

# NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 15th day of March, 1989, by and between

GRANTOR  
IOMA MCGAHA STRICKLAND, Widow  
Route 2, Box 166  
Lillington, NC 27546

GRANTEE  
HARNETT COUNTY, a body politic and corporate  
Post Office Box 759  
Lillington, NC 27546

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.  
The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.  
WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of \_\_\_\_\_, Barbecue \_\_\_\_\_ Township,

Harnett County, North Carolina and more particularly described as follows:  
BEGINNING at an existing concrete monument, common corner with the Anderson Creek landfill property owned by the County of Harnett, and runs thence as a dividing line with the property owned now or formerly by P. J. Barnes North 08° 37' 29" West 1086.47 ft. to an existing lightwood stake, corner with the property of B. Leon Johnson described by deed recorded in Book 566, Page 168, Harnett County Registry; thence as a dividing line with the property of Johnson South 88° 28' 49" East 3254.99 ft. to a new iron pipe in the Carolina Power & Light transmission line 100 ft. right-of-way; thence as a common dividing line with property owned now or formerly by Wellons Realty South 04° 26' 15" West 1101.69 ft. to an existing iron pipe; thence as a dividing line with the Anderson Creek landfill property owned by the County of Harnett North 87° 54' 28" West 415.96 ft. to an existing iron pipe; thence continuing as a dividing line with the Anderson Creek landfill property owned by the County of Harnett North 87° 53' 30" West 2591.75 ft. to the point and place of BEGINNING, and being a parcel of property containing 77.96 acres according to an actual survey by Ragsdale Consultants, P. A., dated November 22, 1988, and entitled "Survey for Anderson Creek Landfill Addition 1," and being the same property described in the deed recorded in Book 339, Page 503, Harnett County Registry.

and the grantee that

a property hereinabove described was acquired by Grantor by instrument recorded in

A map showing the above described property is recorded in Plat Book D page 102-C  
TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated. Title to the property hereinabove described is subject to the following exceptions:

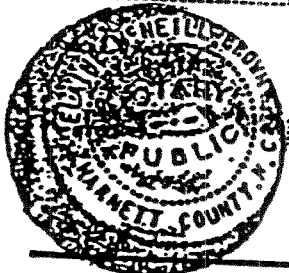
HARNETT COUNTY, N. C.  
FILED DATE 3-15-89 TIME 11:43am  
BOOK 879 PAGE 316-317  
REGISTER OF DEEDS  
GAYLE P. HOLDER

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

BY: \_\_\_\_\_  
(Corporate Name)  
\_\_\_\_\_  
President  
ATTEST: \_\_\_\_\_  
\_\_\_\_\_  
Secretary (Corporate Seal)

USE BLACK INK ONLY

Ioma McGaha Strickland  
Ioma McGaha Strickland (SEAL)



SEAL-STAMP

NORTH CAROLINA, \_\_\_\_\_ Harnett County.

I, a Notary Public of the County and State aforesaid, certify that  
Ioma McGaha Strickland

personally appeared before me this day and acknowledged the execution of the foregoing instrument, Witness my hand and official stamp or seal, this 15th day of March, 1989.

My commission expires: 8/18/91 Elaine McNeill Brown Notary Public

NORTH CAROLINA, \_\_\_\_\_ County.

I, a Notary Public of the County and State aforesaid, certify that  
personally came before me this day and acknowledged that \_\_\_\_\_ he is \_\_\_\_\_ Secretary of  
\_\_\_\_\_ a North Carolina corporation, and that by authority duly  
given and as the act of the corporation, the foregoing instrument was signed in its name by its  
President, sealed with its corporate seal and attested by \_\_\_\_\_ as its Secretary.  
Witness my hand and official stamp or seal, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

My commission expires: \_\_\_\_\_ Notary Public

The foregoing Certificate(s) of \_\_\_\_\_  
Elaine McNeill Brown, Notary of Harnett County

is/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the

Gayle P Holder  
Kathy Coleman

REGISTER OF DEEDS FOR Harnett COUNTY  
Deputy Assistant - Register of Deeds



NO. 10000  
NORTH CAROLINA  
3-23-89 77.00  
Excise Tax  
77.00

380 48-44  
Mar 23 11 30 AM '89  
CARTER HOLDER  
REC'D DEEDS  
HARRETT COUNTY, NC

Excise Tax  
Recording Time, Book and Page  
Tax Lot No. \_\_\_\_\_ Parcel Identifier No. 03-0507-0079  
Verified by \_\_\_\_\_ County on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_  
by \_\_\_\_\_

Mail after recording to Johnson and Johnson, P. A., Attorneys at Law, Post Office  
Box 69, Lillington, North Carolina 27546  
This instrument was prepared by W. Glenn Johnson, Attorney at Law, Lillington, NC  
Brief description for the index  
85.30 Acres-Barbecue T.

# NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 23rd day of March 1989, by and between

GRANTOR  
B. LEON JOHNSON, Unmarried  
6431-L The Lakes Drive  
Raleigh, NC 27609  
and  
LEND A J. TAYLOR and husband,  
FRED T. TAYLOR  
Route 5  
Spring Lake, NC 28390

GRANTEE  
HARRETT COUNTY, a body politic  
and corporate  
Post Office Box 759  
Lillington, NC 27546

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.  
The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.  
WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Barbecue Township,

Harnett County, North Carolina and more particularly described as follows:  
BEGINNING at an existing iron pipe, the northeastern corner of the 77.96 acre parcel of property conveyed by Ioma Strickland to the County of Harnett by deed recorded in Book 879, Page 316, Harnett County Registry, and runs thence as a common dividing line with the property so conveyed by Ioma Strickland to the County of Harnett North 88° 26' 49" West 3254.99 ft. to an existing lightwood stake in the dividing line with property owned now or formerly by J. J. Barnes; thence as a common dividing line with said property owned now or formerly by J. J. Barnes North 08° 20' 05" West 1117.62 ft. to a pine tree located South 88° 26' 21" East 93.15 ft. from an existing concrete monument, corner with the property owned now or formerly by Cape Fear Pulpwood Company; thence as a dividing line with the property owned now or formerly by Cape Fear Pulpwood Company South 88° 26' 21" East 3502.25 ft. to an existing concrete monument just east of the Carolina Power & Light transmission line 100 ft. right-of-way, corner with property owned now or formerly by Wellons Realty; thence as a dividing line with the property owned now or formerly by Wellons Realty South 04° 26' 15" West 1100.00 ft. to the point and place of BEGINNING, and being a parcel of property containing 85.30 acres, according to an actual survey by Ragsdale Consultants, P. A., dated January 20, 1989, entitled "Survey for

Anderson Creek Landfill Addition 2. For further reference see the deed recorded in Book 566, Page 168, Harnett County Registry.

FILED DATE 3-23-89 TIME 11:30AM

BOOK 880 PAGE 48-49

REGISTER OF DEEDS  
GAYLE P. HOLDER

The property hereinabove described was acquired by Grantor by instrument recorded in \_\_\_\_\_

A map showing the above described property is recorded in Plat XXX Cabinet D Slide 102A

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated.

Title to the property hereinabove described is subject to the following exceptions:  
By agreement of the grantors and the grantee, the grantors shall be entitled to harvest and sell any and all timber located on the above described property at any time prior to Twelve Midnight on December 27, 1989, at which time such right shall automatically expire and become void and of no effect.

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

(Corporate Name)

President

TEST:

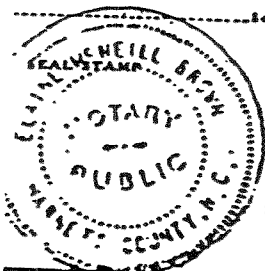
Secretary (Corporate Seal)

USE BLACK INK ONLY

B. Leon Johnson

Lenda J. Taylor

Fred T. Taylor



NORTH CAROLINA, \_\_\_\_\_ Harnett \_\_\_\_\_ County.

I, a Notary Public of the County and State aforesaid, certify that B. Leon Johnson, Lenda J. Taylor and husband, Fred T. Taylor Grantor,

personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 23rd day of March, 1989.

My commission expires: 8/18/91 Elaine McNeill Brown Notary Public

SEAL-STAMP

NORTH CAROLINA, \_\_\_\_\_ County.

I, a Notary Public of the County and State aforesaid, certify that \_\_\_\_\_ personally came before me this day and acknowledged that \_\_\_\_\_ he is \_\_\_\_\_ Secretary of \_\_\_\_\_

\_\_\_\_\_ a North Carolina corporation, and that by authority duly given and as the act of the corporation, the foregoing instrument was signed in its name by its \_\_\_\_\_ President, sealed with its corporate seal and attested by \_\_\_\_\_ at its \_\_\_\_\_ Secretary.

Witness my hand and official stamp or seal, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

My commission expires: \_\_\_\_\_ Notary Public

The foregoing Certificate(s) of \_\_\_\_\_ Elaine McNeill Brown, Notary Harnett Co.

are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the \_\_\_\_\_ page hereof.

Gayle P. Holder  
Deputy Harnett

REGISTER OF DEEDS FOR \_\_\_\_\_ Harnett \_\_\_\_\_ COUNTY  
Deputy/Assistant Register of Deeds

**BENNETT SURVEYS, INC.**

RT 2 BOX 134

LILLINGTON, N.C. 27546

MAY 10, 1996

**BOUNDARY DESCRIPTION**

BEGINNING AT AN EXISTING IRON IN C.P. & L. TRANSMISSION LINE RIGHT OF WAY, BEING THE NORTH EAST CORNER OF AN EXISTING TACT OF LAND TO HARNETT COUNTY, DESCRIBED IN A DEED RECORDED IN DEED BOOK 879 PAGE 316 AND SHOWN ON A MAP RECORDED IN PLAT CABINET D SLIDE 102-C IN THE LINE OF WELLCO, THENCE WITH WELLCO S04-26-15W 1101.69 FEET TO AN EXISTING IRON SHOWN ON THE ABOVE MENTION MAP AND BEING LOCATED AT THE END OF NCSR 1164 AND BEING THE NORTH EAST CORNER OF A TRACT RECORDED IN DEED BOOK 932 PAGE 630, SHOWN ON A UNRECORDED MAP ENTITLED HARNETT COUNTY ANDERSON CREEK SANITARY LANDFILL BY RAGDALE CONSULTANTS DATED 4-8-83, THENCE CONTINUING WITH HARNETT COUNTY S04-38-32 W 1111.82 FEET TO A CORNER WITH NOW OR FORMALLY FLOYD THOMAS SHOWN ON ABOVE MENTION MAP, THENCE WITH NOW OR FORMALLY FLOYD THOMAS S83-37-29W 432.43 FEET TO A CORNER WITH NOW OR FORMALLY ROBERT MORGAN; THENCE CONTINUING WITH MORGAN THE FOLLOWING CALLS, N53-07-55W 72.53 FEET, N77-03-47W 833.64 FEET, N74-53-05W 800.00 FEET TO A CORNER WITH NOW OR FORMALLY J. TAYLOR; THENCE WITH TAYLOR THE FOLLOWING CALLS, N74-53-05W 444.30 FEET, N30-14-11W 823.42 FEET TO A CONCRETE MONUMENT, SOUTH EAST CORNER OF HARNETT COUNTY TRACT AS SHOWN ON MAP RECORDED IN PLAT CABINET D SLIDE 102-C; THENCE WITH NOW OR FORMALLY KERRY JONES N08-37-29W 1086.47 FEET TO AN EXISTING IRON, NORTH WEST CORNER OF A TRACT SHOWN ON A MAP RECORDED IN PLAT CABINET D SLIDE 102-C AND SOUTH WEST CORNER SHOWN ON A MAP RECORDED IN PLAT CABINET D SLIDE 102-A; THENCE N08-20-05W 203.00 FEET TO A NEW CORNER WITH HARNETT COUNTY; THENCE AS A NEW LINE WITH HARNETT COUNTY S88-28-49E 3299.93 FEET TO A NEW SET IRON IN THE LINE OF WELLCO ALSO IN THE C.P. & L. RIGHT OF WAY; THENCE WITH WELLCO S04-26-15W 200.26 FEET TO POINT OF BEGINNING. THE ABOVE TRACT CONSIST OF TRACTS RECORDED IN DEED BOOK 621 PAGE 166, DEED BOOK 932 PAGE 630, DEED BOOK 879 PAGE 316 AND A PORTION OF DEED BOOK 880 PAGE 48, HAVING A COMBINED ACREAGE OF 190.97 ACRES, AS SHOWN ON A MAP ENTITLED LOT RECOMBINATION, SURVEY FOR HARNETT COUNTY ANDERSON CREEK LANDFILL BY BENNETT SURVEYS, INC. DATED MAY 06, 1996 RECORDED IN PLAT CABINET F SLIDE 593A, HARNETT COUNTY REGISTER OF DEED.





**Department of Environment and Natural Resources**

**Michael F. Easley, Governor**  
**William G. Ross Jr., Secretary**

**James D. Simons, P.G., P.E.**  
**Director and State Geologist**



**Division of Land Resources**

October 19, 2004

Jerry Blanchard  
P. O. Box 940  
Lillington, NC 27548

Re: Approval of Soil Erosion and  
Sediment Control Plan  
Anderson Creek Landfill  
Harnett County, North Carolina

Dear Jerry Blanchard:

The review of the above-referenced erosion control plan has been completed. The plan has been found to be acceptable subject to the following stipulations:

1. The grass-lined Channels Nos. 1, 3, 6, 7, 11, 13, 14, 19 and 20 should be provided with temporary liners of adequate shear strength for design flow conditions to aid in the establishment of vegetation
2. Enclosed is a Certificate of Plan Approval, which must be displayed at the job site. Title 15A, Section 4B.0127(c) of the North Carolina Administrative Code requires that no person may initiate a land-disturbing activity before notifying this agency of the date the land-disturbing activity will begin. Failure to provide notification will result in a violation of this plan approval.
3. In order to ensure the early coordination and implementation of the erosion control plan for this project, it is requested that a preconstruction conference be held. As a minimum, representatives of the owner, engineer, contractor, and this office should attend, subject to the availability of staff. Please notify Todd Milam of this office as to when this conference is scheduled. It is also requested that you notify this office of the proposed starting date for this project.
4. Title 15, Section 4B.0017 (A) of the North Carolina Administrative Code requires that a copy of the approved plan be on file at the job site and that inspections of the project be made by this office to ensure compliance with the approved plan.



5. Please note that this approval is based in part on the accuracy of the information provided in the Financial Responsibility/Ownership Form, which you provided. You are required to file an amended form if there is any change in the information included on the form.
6. Acceptance and approval of this plan is conditioned upon your compliance with federal and state water quality laws, regulations, and rules. In addition, local city or county ordinances or rules may also apply to this land-disturbing activity. This does not supersede any other permit or approval. The developer is responsible for obtaining any and all permits and approvals necessary for the developing of this project prior to the commencement of this land-disturbing activity. This could include the Division of Water Quality under stormwater regulations, the US Army Corps of Engineers under Article 404 jurisdiction, local county or town agencies under their local ordinances, or others that may be required. This approval cannot supersede any other permit or approval; however, in the case of a Cease and Desist Order from the Corps of Engineers, that Order would only apply to wetland areas. All other lands must still be in compliance with the Sedimentation Pollution Control Act.
7. If any area on site falls under the jurisdiction of Section 404 of the Clean Water Act, the developer is responsible to the orders of the US Army Corps of Engineers. Any erosion control measures that fall within jurisdictional wetland area must be relocated to the transition point between the wetlands and the highlands to assure that the migration of sediment will not occur. If that relocation presents a problem or contradicts any requirements of the Corps of Engineers, it is the responsibility of the developer to inform the Land Quality Section's Regional Office so that an adequate contingency plan can be made to assure sufficient erosion control on-site. Failure to do so will be considered a violation of this approval.
8. Any borrow material brought onto this site must be from a legally permitted mine site or other approved source. A single use borrow site is only permissible if all of the following apply: (1) The excavation or grading is conducted to provide soil or other unconsolidated material to be used without further processing for a single off-site construction project for which an erosion control plan has been approved in accordance with Article 4 of Chapter 113A of the NCGS. (2) The affected land, including nonpublic access roads, does not exceed five acres. (3) The excavation or grading is completed within one year. (4) the excavation or grading does not involve blasting, the removal or material from rivers or streams, the disposal of off-site waste on the affected land, or the surface disposal of groundwater beyond the affected land. (5) The excavation or grading is not in violation of any local ordinance. (6) An erosion control plan for the excavation or grading has been approved in accordance with Article 4 of Chapter 113A of the NCGS.
9. Following the completion of the project, you should notify this office to schedule a final inspection. The purpose of this inspection is to ensure that all erosion control requirements have been met.

10. This project is subject to the National Pollutant Discharge Elimination System (NPDES) and covered by the enclosed general storm water permit NCG010000 (Construction Activities). You should become familiar with all of the requirements for compliance with the enclosed general permit.

This approval is subject to the satisfactory performance of the erosion control measures under field conditions. Should it be determined that the requirements of the Sedimentation Pollution Control Act of 1973 (GS 113A, 51-66) are not being met, revisions to the plan and its implementation will be required.

This permit allows for a land disturbance, as called for on the application plan, not to exceed 21.5 acres and/or the limits of the submitted plans. Exceeding these limits will be a violation of this permit and would require a revised plan and additional application fee. Amendments to the plan should be submitted to this office under the same procedures as followed for the original plan. This plan approval shall expire three (3) years following the date of approval, if no land-disturbing activity has been undertaken, as is required by Title 15A NCAC 4B .0029.

We look forward to working with you on this project.

Sincerely,



Steve Cook, C.P.E.S.C.  
Assistant Regional Engineer  
Land Quality Section

MSC/fcp

Enclosure

cc: Clayton, Sr., P.E., Inc.  
Lindwood McDonald, Building Inspector  
LQ Section Regional File  
Ricky Revels, Water Quality Section

Project Name: Anderson Creek Landfill  
Project Number: Hame-2005-004  
Submitted By: Clayton, Sr., P.E., Inc.  
Date Received by LQ: 10/4/2004  
River Basin: Cape Fear

# COUNTY OF HARNETT

## OPERATIONS PLAN

### ANDERSON CREEK LANDFILL TRANSFER STATION FACILITY

Prepared by:



POST OFFICE BOX 578  
COATS, NORTH CAROLINA 27521  
PHONE 910-897-7070 FAX: 910 897-6767  
Email: [ct@ctclayton.com](mailto:ct@ctclayton.com)

AUGUST 2006

Project No. 3006



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# **SECTION 1 INTRODUCTION**

## **1.1 Purpose**

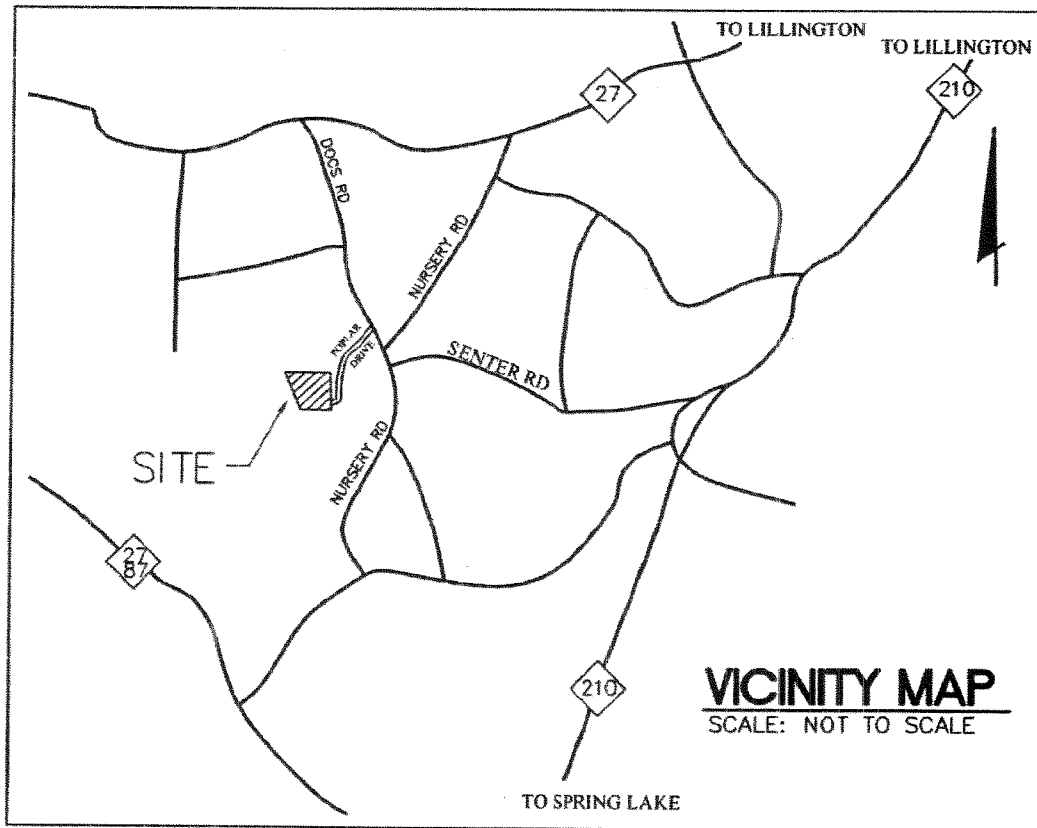
Harnett County proposes to construct a Transfer Station to transfer solid waste from both household and commercial sites to an approved Subtitle D landfill. This Operations Plan will assist Harnett County in the daily operations of the station and serve as a guide to safely maintain and operate the Anderson Creek Transfer Station. This Operations Plan has been prepared in accordance with the North Carolina Solid Waste Rules 15A NCAC 13B .0402, Operational Requirements for Transfer Facilities. The Operations Plan also addresses pertinent operational requirements outlined in Rule .0505, Operational Requirements for Sanitary Landfills. The Operational Plan will discuss the following issues:

- Waste Acceptance Criteria
- Facility Operations
- Erosion Control Requirements
- Drainage Control and Water Protection
- Disease and Vector Control
- Sign and Safety Requirements
- Access and Security Requirements

## **1.2 Facility Location**

The proposed Anderson Creek Transfer Station is located near the scale house on the existing 153 acre County landfill property. The Anderson Creek Landfill is located approximately 15 miles southwest of Lillington, North Carolina, off of NC Hwy 27. This facility contains two closed municipal solid waste (MSW) landfill units, a closed LCID landfill unit, a yard waste storage area, and an existing C&D landfill unit that is currently active. The two MSW landfills stopped receiving waste prior to October 9, 1993. The LCID unit stopped receiving waste in 1996, after the permitting of the current C&D unit. Upon the closure of the LCID unit, the existing C&D unit began operation in the area of the former LCID unit in December 1996. All County planning and zoning requirements were met and approved in the original permitting process for this facility.

**Figure 1: Site location map**



To reach the landfill facility from Lillington, NC, take Hwy 27W for 8 miles. Turn left onto Nursery Road and continue for 3.5 miles. Turn right onto Doc's Road and the first road on the left will be Poplar Drive leading to the landfill.

The mailing address for the transfer facility is the same as the Solid Waste Department:

Harnett County  
General Services Office  
Solid Waste Department  
P.O. Box 940  
Lillington, NC 27546

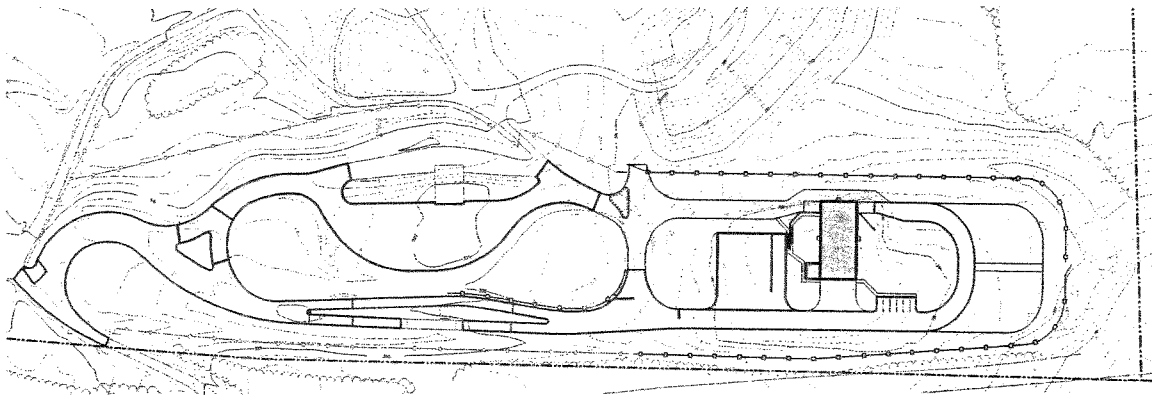
### 1.3 Facility Description

The Harnett Transfer Station consists of a tipping building, tipping building apron, access roads, trailer packing & parking areas. The tipping building includes upper and lower level concrete slabs with metal wall panels on three sides of the building. The east side of the building is open for vehicle access to the tipping floor. Three exhaust fans, one on each wall, for odor control and air quality within the operating area. The tipping building apron and access roads will have either an asphalt or concrete paved surface. The existing landfill scale house is used for weighing incoming vehicles. The outgoing transfer trailer vehicles are weighed prior to disposal at a lined landfill. Currently the waste is being disposed at the Uwharrie Environmental facility (NCDENR SW Permit # 62-04) located in Troy, NC. A secondary optional disposal site for the disposal of the waste leaving the transfer station is the Waste Industries Landfill (NCDENR SW Permit# 82-02) located in Sampson County, NC. A complete set of Civil and Architectural drawings are included with the Permit Application dated July 28, 2006.

Wash down water from the tipping floor and truck drive through will be collected and directed to one of two 1,200-gallon on-site holding tanks. The County currently pumps and hauls the wastewater to the Buies Creek wastewater treatment plant.

Below is a figure showing the overall transfer station facility:

**Figure 2: Transfer Station Facility**



The owner of the transfer station is Harnett County; the primary contact person for issues concerning operation of the transfer station will be:

Mr. Jerry Blanchard  
General Services Manager and Solid Waste Director  
Harnett County General Services  
900 South 9<sup>th</sup> Street  
P. O. Box 940

Lillington, NC 27546

Below are the secondary contacts for issues concerning operation of the transfer station:

Mr. Randy Smith, Landfill Operations Supervisor

Mr. Andrew Holland, Onsite Facility Manager

\*(these individuals can be reached at the address above)

## **SECTION 2**

### **WASTE ACCEPTANCE CRITERIA**

In accordance with 15A NCAC 13B .0402(1), a transfer facility shall only accept those wastes which it is permitted to receive. The Anderson Creek Transfer Station will accept only municipal solid waste (MSW) (i.e., residential, commercial, and industrial waste) generated within the Harnett County service area. Based upon recent annual landfill waste disposal records, the County anticipates receiving a maximum annual tonnage rate of approximately 70,000 tons per year of MSW at the transfer station. The projected annual tonnage rate yields a daily rate of approximately 225 tons per day based upon 312 operating days per year. To accommodate fluctuations in the amount of waste delivered to the facility the transfer station has been designed to handle 250 tons per day. The residential waste is being transported to the transfer facility by residential and private hauler vehicles. The residential vehicles consist primarily of pick-up trucks and cars; while, the private hauler vehicles will be of the rear and side loader truck types. The existing smaller transfer station will be converted to a convenience center to route pick-up trucks and cars away from the transfer facility, mainly due to safety considerations. Commercial and industrial waste will be primarily transported to the facility by private waste haulers.

#### **2.1 Recyclable Material**

Harnett County currently operates a drop-off facility that accepts lead acid batteries, yard waste, white goods, and whole scrap tires at the existing landfill. A C&D landfill is also in operation at the existing landfill. Harnett County will continue to provide these services. A trained inspector capable of recognizing hazardous and liquid wastes will be available during all operating hours.

#### **2.2 Prohibited Wastes**

In accordance with Rule .05059(10)(e), the Harnett County Transfer Station will not accept barrels and drums unless they are empty and perforated sufficient to ensure that no liquid or hazardous waste is contained in them. In accordance with Rule .0505(11)(b), no hazardous or liquid waste shall be accepted at the transfer station. In addition, the transfer station will not accept infectious waste, medical waste, animal waste, animal carcasses, sludge or radioactive waste. Customers who attempt to deliver prohibited wastes will be directed to an appropriate site which will accept such wastes. A report shall be prepared for any attempted delivery of waste of which the transfer station is not permitted to receive, including waste from outside the permitted transfer station service area. The report will be forwarded to:

Department of Environment, Health and Natural Resources  
Solid Waste Division  
1646 Mail Service Center  
401 Oberlin Rd., Suite 150  
Raleigh, North Carolina 27699  
(919) 733-0692

## **SECTION 3**

### **TRANSFER STATION OPERATIONS**

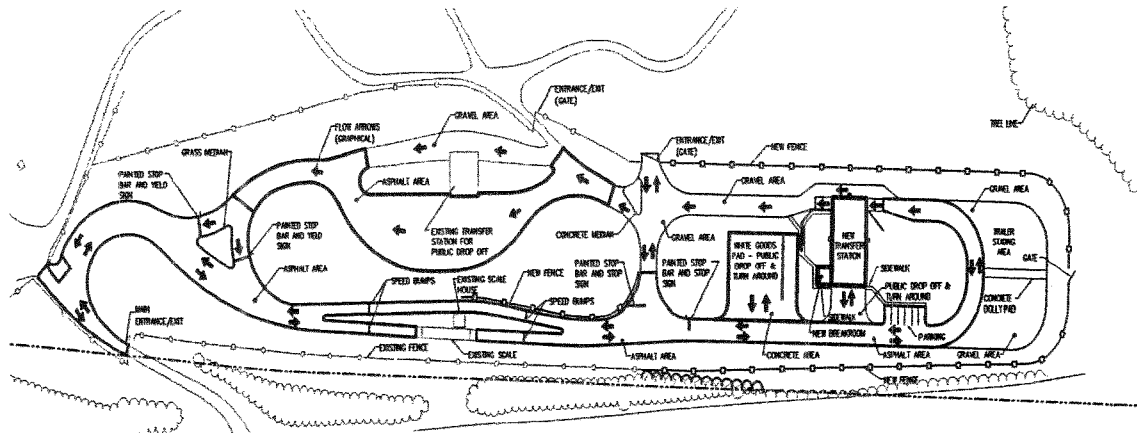
The Anderson Creek Transfer Station is open to the public Monday through Saturday from 7:30 a.m. to 4:30 p.m. The transfer station is closed on some federal and legal holidays. A sign is posted at the entrance to the transfer station identifying the hours of operation. The proper operation of the transfer station requires approximately 3 trained personnel working in cooperation with each other.

Since the Anderson Creek Transfer Station is operated as a tipping floor facility, the only equipment required for safe and effective operation of the facility are the rubber-tired front-end loaders, transfer trailers, and waste collection trucks.

#### **3.1 Tipping Floor Operations**

Collection vehicles delivering residential, commercial, and industrial waste to the facility will proceed to the scale house to be weighed. Local resident vehicles will have to stop at the scale house. Here, depending on the type of waste, will be directed to where they can deposit their waste at this facility. Once vehicles have passed the scale house area, they will continue along the access road until reaching the tipping building apron at the transfer station. The tipping building apron provides access to the east side of the Anderson Creek Transfer Station, which opens to the 4,316 square foot tipping floor. The transfer station has been designed with a 10 ft. high push wall that runs along the north and south sides of the tipping floor; and one (1) open pit approx. 43' long by 6' wide located at the west end of the facility approximately 14 ft. above the drive-thru areas. The figure below shows the general layout of the facility and the typical traffic patterns.

**Figure 3: Transfer Station Traffic Flow**



The transfer station attendant will direct vehicles, waiting to unload, back into the facility through the east entrance. The vehicles will back directly onto the tipping floor to an area designated by the attendant. Once the vehicle is in position and the waste has been inspected by the attendant, the waste load will be discharged directly onto the tipping floor. The Operator will continuously push deposited waste towards the open pit located at the west end of the upper level tipping floor. The lower level of the transfer station will have a drive-thru area for transfer trailer truck access. The open-top transfer trailer truck will pull into the drive-thru area and align itself beneath the open pit. Once the trailer truck is in position, the Operator will load and compact the waste into the transfer trailer. The lower drive-thru area has been designed to provide sufficient space for the driver to exit the vehicle; and, walk to safety in the event of an emergency. Once the transfer trailer has been completely loaded, the vehicle will be driven to the lined landfill at Troy for ultimate disposal.

## **SECTION 4 EROSION CONTROL REQUIREMENTS**



The Anderson Creek Landfill has an existing erosion and sedimentation control plan for the entire operational area, which is relative to the location of the transfer station. The landfill area has several drainage ditches, sediment ponds and culverts, which transport and treat sediment-laden water prior to release. The most recent approval for this area was the October 19, 2004 issuance of the Erosion and Sediment Control permit for the Anderson Creek Landfill Phase II Expansion application. All drainage from the site is routed to an existing sediment basin. Included in the transfer station design is 1019 lf of sediment fence, several drainage ditches and culverts to direct stormwater flow to the appropriate erosion and sediment control structure.

## **SECTION 5 DRAINAGE CONTROL AND WATER PROTECTION REQUIREMENTS**

In accordance with Rule .0505(7)(b), the Anderson Creek Transfer Station will be operated so as to prevent ponded water from coming in contact with discharged waste, and to contain and properly discharge collected leachate.

The tipping floor and drive-thru area will be washed down as needed throughout the day and also at the end of each operating day. The current facility layout indicates that wash down water is directed to two (2) 12" X 4" slots cut into the push wall, one on either side of the facility, located 32.5' from the retaining wall at the west end of the building. The slots drain to the outside of the facility where the water is contained in a 5' X 5' concrete pad with a 12" high knee wall. Centered in the pad is a 12" X 12" grate. Wash down water enters the grate and is directed to two (2) 1,200 gal storage tanks via 4" sanitary sewer line. The drive-thru area on the lower level of the transfer station has a sloped floor channeling water from either direction to the a 12" X 4" slot cut at the center of the west wall. A single 12" X 12" grate collects the wash down water which ultimately drains into a 6" sanitary sewer line that connects to one of two on-site holding tank located on the southwest side of the transfer station. The collected leachate will be pumped out as needed and hauled to the Buies Creek Wastewater Treatment Plant (owned and operated by Harnett County).

In the area of the tipping floor entrance apron, water is directed away from the operational area by sloping the apron at a 2% grade away from the transfer station building.

A complete set of architectural, structural, plumbing, and HVAC drawings, which provide plan and sectional views of the tipping floor and drive-thru areas are currently included with the Permit Application dated August 14, 2006.

## **SECTION 6**

### **DISEASE AND VECTOR CONTROL**

In accordance with Rule .0505(12)(a), Harnett County shall provide effective vector control measures for the protection of human health and the environment. Disease vectors are defined as any rodent, flies, mosquitoes, or other animals, including insects, capable of transmitting disease to humans.

Control of disease vectors will be maintained by implementation of a daily cleaning program which involved removal of waste, leachate, and ponded water from the facility operating areas. The removal of waste at the end of each operating day protects against migration of vectors into and from the transfer station. Harnett County also utilizes deodorizers, paint, and wash water to keep the tipping floor and drive-thru areas clean and free from rodents, flies, and other animals. Stagnant ponded water is prevented from occurring to control mosquito breeding. If problems controlling disease vectors persist, County mosquito control or a licensed exterminator shall be employed to control vectors.

Since the transfer station is enclosed on three sides, wind blown trash is not a major operational concern for the County. Any wind blown trash discovered at the end of an operating day shall be collected and stored in a transfer vehicle or an on-site trash bin.

## **SECTION 7 SIGN AND SAFETY REQUIREMENTS**

### **7.1 Sign Requirements**

In accordance with Rule .0505(9)(a)(b)(c), Harnett County has posted signs at the transfer station entrance indicating operational procedures, hours of operation, tipping fee, and the permit number. Signs are clearly posted stating that no hazardous or liquid waste can be received. Traffic signs and markers have been provided as necessary to promote an orderly traffic pattern to and from the discharge area and to maintain efficient operating conditions.

### **7.2 Open Burning of Waste**

In accordance with Rule .0505(10)(a), open burning of waste is prohibited at the Anderson Creek Transfer Station.

### **7.3 Fire Protection Equipment**

In accordance with Rule .0505(10)(b), equipment is provided to control accidental fires and arrangements have been made with the local fire protection agency to immediately provide fire-fighting services when needed. The transfer station building is equipped with an appropriate number of fire extinguishers, a two inch wash down hydrant, and two hose bibs, located on the either side, to effectively control accidental fires.

### **7.4 Notification of Fire**

In accordance with Rule .0505(10)(c), fires that occur at the Anderson Creek Transfer Station require verbal notice to the Division of Solid Waste within 24 hours and written notification shall be submitted within 15 days. Verbal and written notification shall be submitted to the Raleigh Regional Waste Management Specialist:

Department of Environment, Health and Natural Resources  
Solid Waste Division  
1646 Mail Service Center  
401 Oberlin Rd., Suite 150  
Raleigh, North Carolina 27699  
(919) 733-0692

## **SECTION 8**

### **ACCESS AND SECURITY REQUIREMENTS**

#### **8.1 Transfer Station Access and Security**

In accordance with Rule .0505(8)(a), the transfer station is secured by means of gates, chains, berms, fences and other security measures approved by the Division of Solid Waste Management to prevent unauthorized entry. All vehicles delivering waste to the transfer station will enter and exit through the existing Anderson Creek Landfill access control gate. Unauthorized vehicle access to the facility is prevented around the remaining portion of the transfer station and landfill property by chain link fence and Creeks.

#### **8.2 Attendant**

In accordance with Rule .0505(8)(b) The Anderson Creek Transfer Station has a full time Scale Operator located in the scale house during operating hours. In addition, a Transfer Station Attendant is at the facility at all times during operating hours. Both the Scale Operator and Transfer Station Attendant are responsible for verifying that all vehicles comply with the permitted operational requirements.

#### **8.3 Access Road**

In accordance with Rule .0505(8)(c), the access roads for the Anderson Creek Transfer Station are constructed of all-weather surface (asphalt, or concrete) and shall be maintained in good condition. Potholes, ruts and debris on the roads shall receive immediate attention in order to avoid damage to the vehicles.